

INCH-POUND

MIL-DTL-29183/6B
13 March 2003
SUPERSEDING
MIL-P-29183/6A
24 MAY 1985

DETAIL SPECIFICATION SHEET

PANELBOARD, POWER DISTRIBUTION,
PORTABLE, WEATHERPROOF, TYPE I, CLASS 1,
CONFIGURATION 4: 208Y/120 VOLT, 100 KILOWATT

Inactive for new design after 13 March 2003

This specification is approved for use by all departments and agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and the issue of MIL-DTL-29183 listed in that issue of the Department of Defense Index of Specifications and Standards (DoDISS) specified in the solicitation.

REQUIREMENTS: The distribution panel shall be as specified herein and in accordance with figure 1, and tables I and II. Government furnished equipment shall be as specified in table III.

Physical:

Weight: The weight shall not exceed 375 pounds (170 kilograms).

Dimensions (maximum):

Length: 57.5 inches (1461 millimeters (mm))

Width: 32.5 inches (826 mm)

Height: 35.5 inches (902 mm)

Paralleling cable access panel: Required (see MIL-DTL-29183).

Stability: The vertical center of gravity shall be not more than 21.0 inches (533 mm) above level ground. Additional stability requirements shall apply in accordance with MIL-DTL-29183.

Electrical:

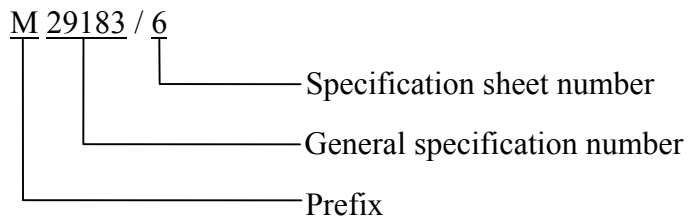
Input: The input to the distribution panel shall be 208Y/120 volt (V) or 208 V, 3-phase (ø), 4-pole (P), 5-wire (W), 60 Hertz (Hz).

Bus capacity: The bus bar capacities shall be 800 amperes (A) (see figure 1).

Provision for modification: Design provisions shall be made to accommodate the future installation of an additional 3P-350A main breaker and an additional set of input terminals for dual input capability.

Circuit breaker: The number of poles and current rating shall be as indicated in table herein and the voltage rating shall be sufficient for the intended circuit.

PIN: The government part identification number (PIN) is as follows:



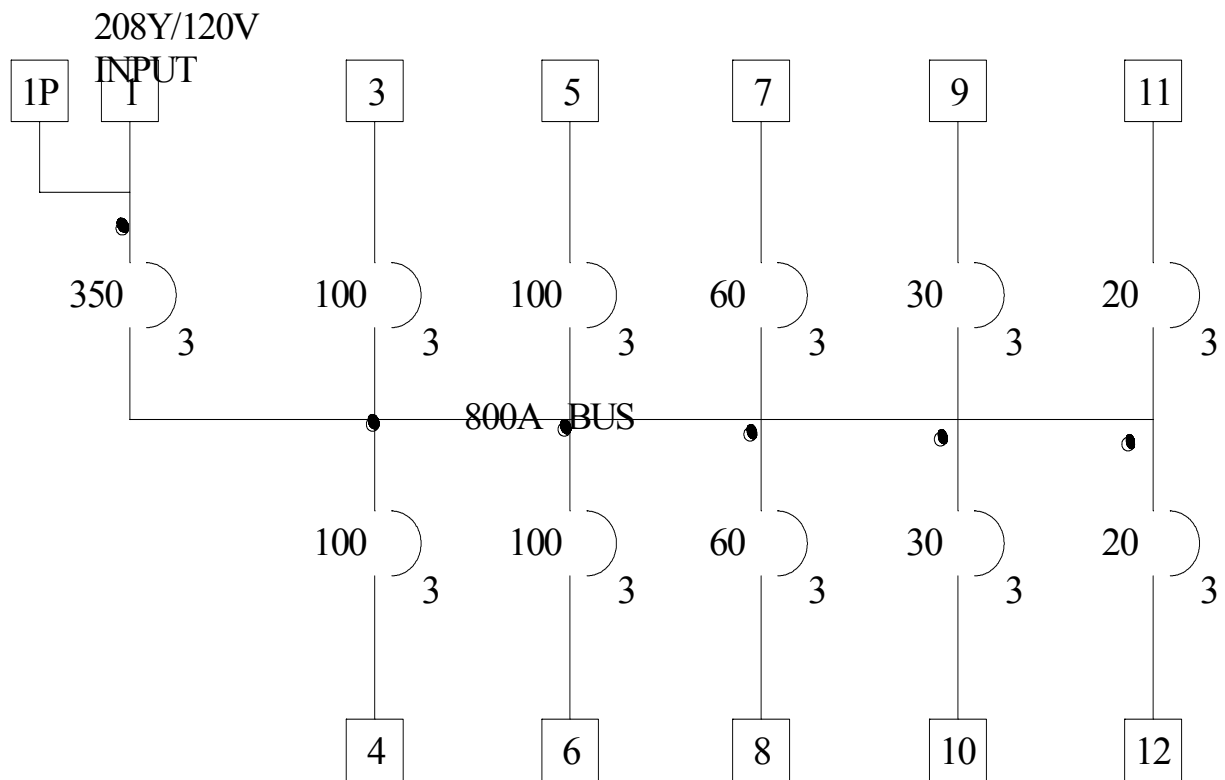


FIGURE 1. Single-line wiring diagram.

TABLE I. Circuit characteristics.

Quantity	Circuit kind	Circuit breaker Pole (P) - Ampere (A)	Interface connector ¹
1	208Y/120V, 3-phase, 4P, 5W	3P-350A	Terminals
4	208Y/120V, 3-phase, 4P, 5W	3P-100A	MS90555C44412S ¹
2	208Y/120V, 3-phase, 4P, 5W	3P-60A	MS90555C32412S ¹
2	208Y/120V, 3-phase, 4P, 5W	3P-30A	MS90555C28412S ¹
2	208Y/120V, 3-phase, 4P, 5W	3P-20A	MS17346R24N10S ¹

¹ Connector designations are military type connectors conforming to MIL-C-22992. See MIL-DTL-29183.

TABLE II. Connector assignment and connector terminal wiring.

Circuit	Function	Interface connector	Phase A, black wire	Phase B, red wire	Phase C, blue wire	Neutral, white wire	Ground, green (bare) wire
1	Input	Pressure type, terminal block, minimum 600 kcmil ¹ wire size capacity	T1	T2	T3	T0	G
1P	Paralleling		P1	P2	P3	P0	G
3, 4, 5, 6	Branch	MS90555C44412S ²	A	B	C	N	G1, G2 G3, G4
7, 8	Branch	MS90555C32412S ²	A	B	C	N	G
9, 10	Branch	MS90555C28412S ²	A	B	C	N	G
11, 12	Branch	MS17346R24N10 ²	F	B	E	A	C

¹ 1000 (k) circular (c) mils (mil)

² Connector designations are military type connectors conforming to MIL-C-22992. See MIL-DTL-29183.

TABLE III. Government furnished equipment.

Item	Quantity	Description	Military part number ¹
1	4	MIL-C-22992, class L, 1000A wall mount socket receptacle	MS90555C44412S
2	4	Protective cover (cap) for item 1	MS90563-7C
3	2	MIL-C-22992, class L, 60A, wall mount socket receptacle	MS90555C32412S
4	2	Protective cover (cap) for item 3	MS90563-3C
5	2	MIL-C-22992, class L, 40A, wall mount socket receptacle	MS90555C28412S
6	2	Protective cover (cap) for item 5	MS90563-1C
7	2	MIL-C-22992, class R, size 24, box mount socket receptacle	MS17346R24N10S
8	2	Protective receptacle cover for item 7	MS17349N24B

¹ Connector designations are military type connectors conforming to MIL-C-22992. See MIL-DTL-29183.

Custodian:
Navy - YD

Preparing Activity:
DLA - GS2

(Project 6110-0443-006)

Review Activity:
Navy - MC

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

INSTRUCTIONS

1. The preparing activity must complete blocks 1, 2, 3, and 8. In block 1, both the document number and revision letter should be given.
2. The submitter of this form must complete blocks 4, 5, 6, and 7.
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I RECOMMEND A CHANGE:		1. DOCUMENT NUMBER MIL-DTL-29183/6B	2. DOCUMENT DATE (YYYYMMDD) 20030313
3. DOCUMENT TITLE PANELBOARD, POWER DISTRIBUTION, PORTABLE, WEATHERPROOF, TYPE I, CLASS 1, CONFIGURATION 4: 208Y/120 VOLT, 100 KILOWATT			
4. NATURE OF CHANGE <i>(Identify paragraph number and include proposed rewrite, if possible. Attach extra sheets as needed.)</i>			
5. REASON FOR RECOMMENDATION			
6. SUBMITTER			
a. NAME <i>(Last, First, Middle Initial)</i>		b. ORGANIZATION	
c. ADDRESS <i>(Include Zip Code)</i>		d. TELEPHONE <i>(Include Area Code)</i> (1) Commercial (2) DSN <i>(if applicable)</i>	7. DATE SUBMITTED (YYYYMMDD)
8. PREPARING ACTIVITY			
a. NAME Defense Supply Center Richmond		b. TELEPHONE <i>(Include Area Code)</i> Commercial: (804) 279-5019 DSN: 695-5019	
c. ADDRESS <i>(Include Zip Code)</i> ATTN: DSCR-VBD (C. Hammond) 8000 Jefferson Davis Highway Richmond, VA 23297-5610		IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT: DEFENSE STANDARDIZATION PROGRAM OFFICE (DLSC-LM) 8725 John J. Kingman Road, Suite 2533 Fort Belvoir, VA 22060-6221 Commercial: (703) 767-6888 DSN: 427-6888	